

### AMENDMENTS TO THE SPECIFICATION

**Please replace the paragraph at page 13, line 3, with the following rewritten paragraph:**

Firstly, Eu is often used as an activator that can be bivalent and trivalent. In the example of BAM, a blue phosphor, it is necessary that ~~bivalent Ba substitutes for bivalent Eu~~ bivalent Eu substitutes for bivalent Ba while the host crystal of  $\text{Ba}_{(1-x)}\text{MgAl}_{10}\text{O}_{17}$  is grown from its materials, to produce a stable emission center  $\text{Eu}^{2+}$ . For this purpose, as a conventional basic firing method, the materials are fired in an appropriate reducing atmosphere at high temperatures ranging from 1,000 to 1,500°C, for at least four hours.